

Foreword

As an internationally renowned conference, 2018 8th International Conference on Mechanical Science and Engineering (ICMSE) has increasingly become an important platform for scholars in China and Asia Pacific to carry out academic communication, technology promotion, and international cooperation in the field of mechanical science. ICMSE 2018 was held in Dubai from December 7 to 9, 2018, with the theme of “Innovation and intelligent manufacturing”, which aimed to provide opportunities for experts, scholars and practitioners to share experience and techniques. As a result, this may further promote industrial technology reform and optimize industrial upgrading.

All papers submitted to ICMSE 2018 were peer reviewed by the reviewers from the scientific committee, external reviewers and editorial board depending on the subject matter of the paper. The rigorous review and initial selection were undertaken electronically, submitted papers were selected under the criteria of originality, significance, and clarity for the purpose of the conference. At last, among some submitted papers, 4 were selected to be published in Transactions of FAMENA.

In this special session, Shuwen Zhao introduce an electromechanical brake device in automobile, the control method proposed can improve the braking effect. Lili Xin gives us a system: Potato Conveying and Separation System, which vibration can improve the separation rate of potato and soil and improve the quality of potato harvest. Guangjun Jiang uses numerical simulation in vacuum tempering furnace prevalence of uneven temperature problems. Yunwang Li conduct a survey of the stairs-climbing capacities of a mobile robot. These 4 papers will shed light some research in mechanical engineering.

The ICMSE 2018 committee would like to extend their sincere thanks to the staff of the journal office of Transactions of FAMENA for providing this very valuable opportunity to publish this issue, to the reviewers for their expertise and favour in the reviewing process and all the authors of their submissions.

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